Index to Volume XXII

PAGE

Adams, Frank D. A Graphic Method of Representing the Chemical Relations of a Petrographic Province 689

Adams, L. H., and John Johnston. Observations on the Daubrée Experiment and Capillarity in Relation to Certain Geological Speculations 1

Aenderungen des optischen Axenwinkels im Glauberit mit der Temperatur, Die. By Edward H. Kraus. Review by A. J. . . 285

Allen, R. C. Correlation and Structure of the Pre-Cambrian Formations of the Gwinn Iron-bearing District of Michigan . . . 560

Allen, R. C., and L. P. Barrett. Evidence of the Middle-Upper Huronian Unconformity in the Quartzite Hills at Little Lake, Michigan 574

American Fusulinas, On the Names of. By George H. Girty . . 237

Analcite Basalts of Sardinia, The. By H. S. Washington . . . 742

Arsandaux, H. Sur la présence au Gabon de roches appartenantes à la série de la charnockite. Review by F. C. Calkins 189

Arschinow, W. W. Ueber zwei Feldspäthe aus dem Ural. Review by A. J. 189

———. Zur Geologie der Halbinsel Krym. Review by A. J. . . 189

Barbour, Erwin H. A Phenomenon of the Kansan Drift in Nebraska 807

Barlow, Gwillim, and Faribault. Report on the Geology and Mineral Resources of the Chibougamau Region, Quebec. Review by A. J. 278

Barrell, Joseph. The Strength of the Earth's Crust. 28, 145, 209, 289, 441, 537, 655, 729

Barrett, L. P., and R. C. Allen. Evidence of the Middle-Upper Huronian Unconformity in the Quartzite Hills at Little Lake, Michigan 574

Basalte und Phonolithe der Rhön, Die, ihre Verbreitung und ihre chemische Zusammensetzung. By H. Bücking. Review by A. J. 191

Beiträge zur Geologie der Halbinsel Kanin. By Wilhelm Ramsay. Review by A. J. 533

Beiträge zur Systematik der Eruptivgesteine, I. By F. Loewinson-Lessing. Review by Albert Johannsen 439

Berea Sandstone in Eroded Cleveland Shale. By Wilbur Greeley Burroughs 766

PAGE

Beziehungen des Riesengebirgsgranits, Ueber die, (Granitit) zu dem ihn im Süden begleitenden Granitzuge. By L. Milch. Review by A. J. 532

Blackwelder, Eliot. A Summary of the Orogenic Epochs in the Geologic History of North America 633

Boeke, H. E. Die Schmelzerscheinungen und die umkehrbare Umwandlung des Calciumcarbonats. Review by A. J. 190

Broiliellus, a New Genus of Amphibians from the Permian of Texas. By S. W. Williston 49

Brokaw, Albert D. Review of Building Stones and Clay Products, by Heinrich Ries 626

Bücking, H. Die Basalte und Phonolithe der Rhön, ihre Verbreitung und ihre chemische Zusammensetzung. Review by A. J. . . . 191

Building Stones and Clay Products. By Heinrich Ries. Review by Albert D. Brokaw 626

Burroughs, Wilbur Greeley. Berea Sandstone in Eroded Cleveland Shale 766

Burwash, Edward M. Pleistocene Vulcanism of the Coast Range of British Columbia 260

Calkins, F. C. Review of Les roches grenues, intrusives dans les brèches basaltiques de la Réunion: leur importance pour l'interprétation de l'origine des enclaves homéogènes des roches volcaniques, by A. Lacroix 437

———. Review of Sur la présence au Gabon de roches appartenantes à la série de la charnockite, by H. Arsandaux 189

Cambrian and Ordovician Ripple-Marks Found at Ottawa, Canada, A Comparison of the. By E. M. Kindle 703

Carman, J. Ernest. The Wisconsin Drift Plain in the Region about Sioux Falls, South Dakota. Review by C. 286

Case, E. C. The Red Beds between Wichita Falls, Texas, and Las Vegas, New Mexico, in Relation to Their Vertebrate Fauna . . 243

Chamberlin, Rollin T. Diastrophism and the Formative Processes. VII. Periodicity of Paleozoic Orogenic Movements. . . . 315

Chamberlin, T. C. Diastrophism and the Formative Processes 131, 268, 516

Clarke, Dr. John M. Fosseis Devonianos do Paraná. Review by James Perrin Smith 95

Classification of Common Sediments, A, and Some Criteria for Identification of the Various Classes. In "Studies for Students." By Arthur C. Trowbridge 420

Coal Deposits of Missouri, The. By Henry Hinds. Review by F. H. K. 631

Cockerell, T. D. A. New and Little-known Insects from the Miocene of Florissant, Colorado 714

PAGE

Cœur d'Alene Monzonite, A Comparison of the, with Other Plutonic Rocks of Idaho. By C. A. Stewart 684
Commercial Marbles of Western Vermont, The. By T. Nelson Dale. Review by A. J. 192
Conditions under Which the Vegetable Matter of the Illinois Coal Beds Accumulated, On the. By T. E. Savage 754
Constitution minéralogique des volcans de l'île de la Réunion, Sur la. By A. Lacroix. Review by A. J. 438
Contact Action of Gabbro on Granite in Warren County, New York. By William I. Miller. Review by A. J. 533
Contemporaneous Deformation: A Criterion for Aqueo-glacial Sedimentation. By Frederic H. Lahee 786
Contribution to the Geology of the Boston and Norfolk Basins, Massachusetts. I. The Structural Relations between the Quincy Granite and the Adjacent Sedimentary Formations. By G. F. Loughlin. Review by A. J. 439
Cotton, C. A. On the Relations of the Great Marlborough Conglomerate to the Underlying Formations in the Middle Clarence Valley, New Zealand 346
Crawford, R. D. Geology and Ore-Deposits of the Monarch and Tomichi Districts, Colorado. Review by A. J. 191
Crosby, W. O. Physiographic Relations of Serpentine, with Special Reference to the Serpentine Stock of Staten Island, N.Y. . . . 582
Cross, Whitman. Problems of Petrographic Classification Suggested by the "Kodurite Series" of India 791
Crystalloblastic Order and Mineral Development in Metamorphism. By Frederic H. Lahee 500

Dake, C. L. Stream Piracy and Natural Bridges in the Loess of Southeast Missouri 498
Dale, T. Nelson. The Commercial Marbles of Western Vermont. Review by A. J. 192
Dale, T. Nelson, and Herbert R. Gregory. The Granites of Connecticut. Review by A. J. 191
Daubrée Experiment and Capillarity in Relation to Certain Geological Speculations, Observations on the. By John Johnston and L. H. Adams 1
Density of Minerals, A Method of Determining the, by Means of Rohrbach's Solution Having a Standard Refractive Index. By H. E. Merwin. Review by A. J. 531
Devonian and Mississippian Formations of Northeastern Ohio, The. By Charles S. Prosser. Review by C. R. S. 92
Diastrophism and the Formative Processes. By T. C. Chamberlin 131, 268, 516

PAGE

Diastrophism and the Formative Processes. VII. Periodicity of Paleozoic Orogenic Movements. By Rollin T. Chamberlin . . 315
Differentiation Phenomena of the Prospect Intrusion, The. By H. Stanley Jevons, H. I. Jensen, and C. A. Süssmilch. Review by A. J. 281
Duparc, Louis, and Alfred Monnier. Traité de technique minéralogique et pétrographique. Vol. II-1. Les méthodes chimiques qualitatives. Review by Albert Johannsen 275

Eastman, Charles R. Textbook of Paleontology. Adapted from the German of Karl A. von Zittel. Review by S. W. 287
Endell, K. Ueber die Umwandlungen der Kieselsäure bei höheren Temperaturen. Review by A. J. 276
———. Ueber Granatamphibolite und Eklogite von Tromsö und von Tromsdaltind. Review by A. J. 276
Endell, K., and R. Rieke. Ueber die Umwandlungen des Kieselsäureanhydrids bei höheren Temperaturen. Review by A. J. . 276
Endell, K., and A. Smits. Ueber das System SiO_2. Review by A. J. 276
Eocene Horizons of California. By Clarence A. Waring . . . 782
Examination of Prospect, The. By C. Godfrey Gunther. Review by A. D. B. 288

Faribault, Gwillim, and Barlow. Report on the Geology and Mineral Resources of the Chibougamau Region, Quebec. Review by A. J. 278
Fenner, Clarence N. The Mode of Formation of Certain Gneisses in the Highlands of New Jersey 594, 694
———. The Stability Relations of the Silica Minerals. Review by A. D. B. 440
———. The Various Forms of Silica and Their Mutual Relations. Review by A. J. 276
Flett, J. S., and J. B. Hill. The Geology of the Lizard and Meneage. Review by A. J. 277
Foote, W. M. Preliminary Note on the Shower of Meteoric Stones at Aztec, near Holbrook, Navajo County, Arizona. Review by A. J. 277
Fortschritte auf dem Gebiete der Instrumentenkunde. By E. A. Wülfing. Review by A. J. 728
Fosseis Devonianos do Paraná. By Dr. John M. Clarke. Review by James Perrin Smith 95

Galpin, Sydney Longman. Studies of Flint Clays and Their Associates. Review by A. J. 277
Garnet Deposits of Warren County, New York, The. By William J. Miller. Review by A. J. 533

PAGE

Geological Short-Cuts, Some. By W. J. Mead. Review by A. J. . 529
Geologie der Halbinsel Krym, Zur. By W. W. Arschinow. Review by A. J. 189
Geologische Diffusionen. By Raphael Liesegang. Review by R. W. Wallace 94
Geology and Mineral Resources of the Chibougamau Region, Quebec, Report on the. By Gwillim, Faribault, and Barlow. Review by A. J. 278
Geology and Ore-Deposits of the Monarch and Tomichi Districts, Colorado. By R. D. Crawford. Review by A. J. 191
Geology and Ore-Deposits of the Silverbell Mining District, Arizona, The. By Charles A. Stewart. Review by A. J. 627
Geology and Petrography of the Prospect Intrusion, The. By H. Stanley Jevons, H. I. Jensen, T. G. Taylor, and C. A. Süssmilch. Review by A. J. 280
Geology and Petrology of the Macedon District, The. By E. W. Skeats and H. S. Summers. Review by A. J. 627
Geology of the Lizard and Meneage, The. By J. S. Flett and J. B. Hill. Review by A. J. 277
Geology of the National Mining District, Nevada. By Alexander N. Winchell. Review by A. J. 725
Girty, George H. On the Names of American Fusulinas . . . 237
Gopeng Beds of Kinta (Federated Malay States), The. By John Brooke Scrivenor. Review by Heath M. Robinson 626
Granatamphibolite und Eklogite von Tromsö und von Tromsdaltind, Ueber. By K. Endell. Review by A. J. 276
Granites of Connecticut, The. By T. Nelson Dale and Herbert R. Gregory. Review by A. J. 191
Graphic Method of Representing the Chemical Relations of a Petrographic Province, A. By Frank D. Adams 689
Graton, L. C., and Joseph Murdoch. The Sulphide Ores of Copper. Some Results of Microscopic Study. Review by A. J. . . . 278
Great Marlborough Conglomerate, On the Relations of the, to the Underlying Formations in the Middle Clarence Valley, New Zealand. By C. A. Cotton 346
Gregory, Herbert R., and T. Nelson Dale. The Granites of Connecticut. Review by A. J. 191
Griechische Quarzkeratophyre, Ueber. By L. Milch and Carl Renz. Review by A. J. 532
Guide to the Collection of Gemstones in the Museum of Practical Geology. By W. F. P. McLintock. Review by A. J. . . . 529
Gunther, C. Godfrey. The Examination of Prospect. Review by A. D. B. 288

PAGE

Hatch, F. H., and R. H. Rastall. Text Book of Petrology; The Sedimentary Rocks. Review by E. A. Stephenson 278
Hill, J. B., and J. S. Flett. The Geology of the Lizard and Meneage. Review by A. J. 277
Hinds, Henry. The Coal Deposits of Missouri. Review by F. H. K. 631
Hobbs, William H. Mechanics of Formation of Arcuate Mountains. 71, 166, 193
———. Eduard Suess 811
Holland, W. J., and O. A. Peterson. The Osteology of the Chalicotheroidea. Review by John C. Merriam 818

Iddings, Joseph P. The Petrography of Some Igneous Rocks of the Philippines. Review by A. J. 279
Igneous Rock, The Average. By W. J. Mead 772
Index Ellipsoid (Optical Indicatrix) in Petrographic Microscopic Work, The. By Fred. Eugene Wright. Review by A. J. 727

Jensen, H. I., H. Stanley Jevons, and C. A. Süssmilch. The Differentiation Phenomena of the Prospect Intrusion. Review by Albert Johannsen 281
Jensen, H. I., H. Stanley Jevons, T. G. Taylor, and C. A. Süssmilch. The Geology and Petrography of the Prospect Intrusion. Review by Albert Johannsen 280
Jevons, H. Stanley, H. I. Jensen, and C. A. Süssmilch. The Differentiation Phenomena of the Prospect Intrusion. Review by Albert Johannsen 281
Jevons, H. Stanley, H. I. Jensen, T. G. Taylor, and C. A. Süssmilch. The Geology and Petrography of the Prospect Intrusion. Review by A. J. 280
Johannsen, Albert. Manual of Petrographic Methods. Review by George D. Lauderback 281
———. Review of Beiträge zur Systematik der Eruptivgesteine, I, by F. Loewinson-Lessing 439
———. Review of A Manual of Petrology, by F. P. Mennell . . 529
———. Review of Petrographic Methods, by Weinschenk-Clark . 629
———. Review of Petrographisches Praktikum, II Teil, Gesteine, by Reinhold Reinisch 625
———. Review of The Geology and Petrography of the Prospect Intrusion, by H. Stanley Jevons, H. I. Jensen, T. G. Taylor, and C. A. Süssmilch 280
———. Review of The Late Paleozoic Alkaline Igneous Rocks of the West of Scotland, by G. W. Tyrrell 627

PAGE

Johannsen, Albert. Review of "Traité de technique minéralogique et pétrographique, Vol. II-1 Les méthodes chimiques qualitatives, by Louis Duparc and Alfred Monnier 275
Johnston, John, and L. H. Adams. Observations on the Daubrée Experiment and Capillarity in Relation to Certain Geological Speculations 1

Kato, Takeo. The Tourmaline Copper Veins in the Yakuoji Mine, Nagato Province, Japan. Review by A. J. 284
———. Ueber die Kordieritführenden Einschlüsse in der Lava aus dem Vulkan Komagataké auf Hokkaido, Japan. Review by A. J. 283
Killig, Franz. Das Korund- und Paragonitvorkommen am Ochsenkopf bei Schwarzenberg in Sachsen. Review by A. J. 284
Kindle, E. M. A Comparison of the Cambrian and Ordovician Ripple-Marks Found at Ottawa, Canada 703
Kolderup, Carl Fred. Sogneskollens og Bremangerlandets granodioriter. Review by A. J. 284
Kolderup, Carl Fred., and P. O. Ottesen. Utsires fjeldbygning og bergarter. Review by A. J. 285
Kordieritführenden Einschlüsse in der Lava aus dem Vulkan Komagataké auf Hokkaido, Japan, Ueber die. By Takeo Kato. Review by A. J. 283
Korund- und Paragonitvorkommen am Ochsenkopf bei Schwarzenberg in Sachsen, Das. By Franz Killig. Review by A. J. 284
Koto, B. On Nephelite-Basalt from Yingé-men, Manchuria. Review by A. J. 285
Kragerite, a Rutile-bearing Rock from Krageroe, Norway. By Thomas L. Watson. Review by E. R. Lloyd 628
Kraus, Edward H. Die Aenderungen des optischen Axenwinkels im Glauberit mit der Temperatur. Review by A. J. 285
Kristallographische Kaleidoskope, Ueber. By E. A. Wülfing. Review by A. J. 728

Laboratory Work in Optical Mineralogy, Directions for. By Alexander N. Winchell. Review by A. J. 725
Lacroix, A. Les roches grenues, intrusives dans les brèches basaltiques de la Réunion: leur importance pour l'interprétation de l'origine des enclaves homéogènes des roches volcaniques. Review by F. C. Calkins 437
———. Sur la constitution minéralogique des volcans de l'île de la Réunion. Review by A. J. 438
Lahee, Frederic H. Contemporaneous Deformation: A Criterion for Aqueo-glacial Sedimentation 786

PAGE

Lahee, Frederic H. Crystalloblastic Order and Mineral Development in Metamorphism 500

Larsen and Merwin. Mixtures of Amorphous Sulphur and Selenium as Immersion Media for the Determination of High Refractive Indices with the Microscope. Review by A. J. 532

Late Paleozoic Alkaline Igneous Rocks of the West of Scotland, The. By G. W. Tyrrell. Review by Albert Johannsen 627

Leighton, M. M. Review of Underground Water Resources of Iowa, by W. H. Norton and Others 630

Leiss, C. Neues petrographisches Mikroskop für die Theodolit-Methode. Review by A. J. 438

———. Ueber zwei neue Mikroskope für petrographische und krystalloptische Studien. Review by A. J. 438

Leith, C. K. Structural Geology. Review by R. T. C. 91

Liesegang, Raphael. Geologische Diffusionen. Review by R. C. Wallace 94

Lloyd, E. R. Review of Kragerite, a Rutile-bearing Rock from Krageroe, Norway, by Thomas L. Watson 628

Loewinson-Lessing, F. Beiträge zur Systematik der Eruptivgesteine, I. Review by Albert Johannsen 439

Louderback, George D. Review of Manual of Petrographic Methods, by Albert Johannsen 281

Loughlin, G. F. Contribution to the Geology of the Boston and Norfolk Basins, Massachusetts. I. The Structural Relations between the Quincy Granite and the Adjacent Sedimentary Formations. Review by A. J. 439

McLintock, W. F. P. Guide to the Collection of Gemstones in the Museum of Practical Geology. Review by A. J. 529

Manual of Petrology, A. By F. P. Mennell. Review by Albert Johannsen 529

Mead, W. J. Some Geological Short-Cuts. Review by A. J. . . . 529

———. The Average Igneous Rock 772

Measurements of the Rigidity of the Earth, Preliminary Results of. By A. A. Michelson 97

Mechanics of Formation of Arcuate Mountains. By William H. Hobbs 71, 166, 193

Media of High Refraction for Refractive Index Determinations with the Microscope; Also a Set of Permanent Standard Media of Lower Refraction. By H. E. Merwin. Review by A. J. 531

Mennell, F. P. A Manual of Petrology. Review by Albert Johannsen 529

Merriam, John C. Review of The Osteology of the Chalicotheroidea, by W. J. Holland and O. A. Peterson 818

Merrill, George P. On the Supposed Origin of the Moldavites and Like Sporadic Glasses from Various Sources. Review by A. J. . 530

PAGE

Merwin, H. E. A Method of Determining the Density of Minerals by Means of Rohrbach's Solution Having a Standard Refractive Index. Review by A. J. 531

———. Media of High Refraction for Refractive Index Determinations with the Microscope; Also a Set of Permanent Standard Media of Lower Refraction. Review by A. J. 531

———. Quartz and Fluorite as Standards of Density and Refractive Index. Review by A. J. 531

Merwin and Larsen. Mixtures of Amorphous Sulphur and Selenium as Immersion Media for the Determination of High Refractive Indices with the Microscope. Review by A. J. 532

Michelson, A. A. Preliminary Results of Measurements of the Rigidity of the Earth 97

Middle-Upper Huronian Unconformity in the Quartzite Hills at Little Lake, Michigan, Evidence of the. By R. C. Allen and L. P. Barrett 574

Mikroskope für petrographische und krystalloptische Studien, Ueber zwei neue. By C. Leiss. Review by A. J. 438

Milch, L. Die Systematik der Eruptivgesteine. Erster Teil. Review by A. J. 533

———. Ueber die Beziehungen des Riesengebirgsgranits (Granitit), zu dem ihn im Süden begleitenden Granitzuge. Review by A. J. . 532

Milch, L., and Carl Renz. Ueber griechische Quarzkeratophyre. Review by A. J. 532

Miller, Willam I. Contact Action of Gabbro on Granite in Warren County, New York. Review by A. J. 533

Miller, William J. The Garnet Deposits of Warren County, New York. Review by A. J. 533

Mississippian Rocks of Northeastern Oklahoma, The. By L. C. Snider 613

Mixtures of Amorphous Sulphur and Selenium as Immersion Media for the Determination of High Refractive Indices with the Microscope. Merwin and Larsen. Review by A. J. 532

Mode of Formation of Certain Gneisses in the Highlands of New Jersey, The. By Clarence N. Fenner 594, 694

Monnier, Alfred, and Louis Duparc. Traité de technique minéralogique et pétrographique. Vol. II-1. Les méthodes chimiques qualitatives. Review by Albert Johannsen 275

Murdoch, Joseph, and L. C. Graton. The Sulphide Ores of Copper. Some Results of Microscopic Study. Review by A. J. 278

Nephelite-Basalt from Yingé-men, Manchuria, On. By B. Koto. Review by A. J. 285

Neues petrographisches Mikroskop für die Theodolit-Methode. By C. Leiss. Review by A. J. 438

PAGE

New and Little-known Insects from the Miocene of Florissant, Colorado. By T. D. A. Cockerell 714
Norton, W. H., and Others. Underground Water Resources of Iowa. Review by M. M. Leighton 630

Oblique Illumination in Petrographic Microscope Work. By Fred. Eugene Wright. Review by A. J. 727
Orogenic Epochs in the Geologic History of North America, A Summary of the. By Eliot Blackwelder 633
Osteology of Some American Permian Vertebrates, The. By S. W. Williston 364
Osteology of the Chalicotheroidea, The. By W. J. Holland and O. A. Peterson. Review by John C. Merriam 818
Ottesen, P. O., and Carl Fred. Kolderup. Utsires fjelbygning og bergarter. Review by A. J. 285

Paige, Sidney. The Origin of Turquoise in the Burro Mountains, New Mexico. Review by A. J. 533
Paleontology, Textbook of. Edited by Charles R. Eastman. Adapted from the German of Karl A. von Zittel. Review by S. W. . . . 287
Peterson, O. A., and W. J. Holland. The Osteology of the Chalicotheroidea. Review by John C. Merriam 818
Petrographic Classification, Problems of, Suggested by the "Kodurite Series" of India. By Whitman Cross 791
Petrographic Methods. By Weinschenk-Clark. Review by Albert Johannsen 629
Petrographic Methods, Manual of. By Albert Johannsen. Review by George D. Louderback 281
Petrographic-microscopic Research, The Methods of. By Fred. Eugene Wright. Review by A. J. 726
Petrographische Untersuchung der Casannaschieter des mittleren Bagnetales (Wallis). By Tadeusz Jerzy Woyno. Review by A. J. 725
Petrographisches Praktikum, II Teil, Gesteine. By Reinhold Reinisch. Review by Albert Johannsen 625
Petrography of Some Igneous Rocks of the Philippines, The. By Joseph P. Iddings. Review by A. J. 279
Petroleum and Natural Gas in Oklahoma. By L. C. Snider. Review by A. D. B. 287
Petrological Abstracts and Reviews . . . 189, 275, 437, 529, 625, 725
Petrology, Text Book of; The Sedimentary Rocks. By F. H. Hatch and R. H. Rastall. Review by E. A. Stephenson 278
Phenomenon of the Kansan Drift in Nebraska, A. By Erwin H. Barbour 807

PAGE

Physiographic Relations of Serpentine, with Special Reference to the Serpentine Stock of Staten Island, N.Y. By W. O. Crosby . . 582
Pleistocene Vulcanism of the Coast Range of British Columbia. By Edward M. Burwash 260
Powers, Sidney, and Hervey W. Shimer. Notes on the Geology of the Sun River District, Montana 556
Pre-Cambrian Formations of the Gwinn Iron-bearing District of Michigan, Correlation and Structure of the. By R. C. Allen . . . 560
Projektion mikroskopischer Objekte ins besondere im polarisierten Licht, Ueber. By E. A. Wülfing. Review by A. J. 728
Prosser, Charles S. The Devonian and Mississippian Formations of Northeastern Ohio. Review by C. R. S. 92

Quartz and Fluorite as Standards of Density and Refractive Index. By H. E. Merwin. Review by A. J. 531

Ramsay, Wilhelm. Beiträge zur Geologie der Halbinsel Kanin. Review by A. J. 533
———. Ueber die Verbreitung von Nephelinsyenitgeschieben und die Ausbreitung des nordeuropäischen Inlandseises im nördlichen Russland. Review by A. J. 625
Rastall, R. H., and F. H. Hatch. Text Book of Petrology; The Sedimentary Rocks. Review by E. A. Stephenson 278
Recent Publications 534, 819
Red Beds between Wichita Falls, Texas, and Las Vegas, New Mexico, The, in Relation to Their Vertebrate Fauna. By E. C. Case . 243
Reinisch, Reinold. Petrographisches Praktikum, II Teil, Gesteine. Review by Albert Johannsen 625
Renz, Carl, and L. Milch. Ueber griechische Quarzkeratophyre. Review by A. J. 532
Restorations of Some American Permocarboniferous Amphibians and Reptiles. By S. W. Williston 57
Reviews 91, 189, 275, 286, 437, 440, 529, 625, 630, 725, 818
Rich, John Lyon. Certain Types of Stream Valleys and Their Meaning 469
Rieke, R., and K. Endell. Ueber die Umwandlungen des Kieselsäureanhydrids bei höheren Temperaturen. Review by A. J. . 276
Ries, Heinrich. Building Stones and Clay Products. Review by Albert D. Brokaw 626
Robinson, Heath M. Review of The Gopeng Beds of Kinta (Federated Malay States), by John Brooke Scrivenor 626
Roches grenues, Les, intrusives dans les brèches basaltiques de la Réunion: leur importance pour l'interprétation de l'origine des enclaves homéogènes des roches volcaniques. By A. Lacroix. Review by F. C. Calkins 437

PAGE

Savage, T. E. On the Conditions under Which the Vegetable Matter of the Illinois Coal Beds Accumulated 754

Schmelzerscheinungen und die umkehrbare Umwandlung des Calciumcarbonats, Die. By H. E. Boeke. Review by A. J. . . . 190

Scrivenor, John Brooke. The Gopeng Beds of Kinta (Federated Malay States). Review by Heath M. Robinson 626

Serpentine, Physiographic Relations of, with Special Reference to the Serpentine Stock of Staten Island, New York. By W. O. Crosby 582

Shimer, Hervey W., and Sidney Powers. Notes on the Geology of the Sun River District, Montana 556

Shower of Meteoric Stones at Aztec, near Holbrook, Navajo County, Arizona, Preliminary Note on the. By W. M. Foote. Review by A. J. 277

Silica, The Various Forms of, and Their Mutual Relations. By Clarence N. Fenner. Review by A. J. 276

Skeats, E. W., and H. S. Summers. The Geology and Petrology of the Macedon District. Review by A. J. 627

Smith, James Perrin. Review of Fosseis Devonianos do Paraná, by Dr. John M. Clarke 95

Smits, A., and K. Endell. Ueber das System SiO_2. Review by A. J. 276

Snider, L. C. Petroleum and Natural Gas in Oklahoma. Review by A. D. B. 287

———. The Mississippian Rocks of Northeastern Oklahoma . . 613

Sogneskollens og Bremangerlandets granodioriter. By Carl Fred. Kolderup. Review by A. J. 284

Stability Relations of the Silica Minerals, The. By Clarence N. Fenner. Review by A. D. B. 440

Stephenson, E. A. Review of Text Book of Petrology; The Sedimentary Rocks, by F. H. Hatch and R. H. Rastall . . . 278

Stewart, C. A. A Comparison of the Cœur d'Alene Monzonite with Other Plutonic Rocks of Idaho 684

———. The Geology and Ore-Deposits of the Silverbell Mining District, Arizona. Review by A. J. 627

Stream Piracy and Natural Bridges in the Loess of Southeast Missouri. By C. L. Dake 498

Stream Valleys, Certain Types of, and Their Meaning. By John Lyon Rich 469

Strength of the Earth's Crust, The. By Joseph Barrell 28, 145, 209, 289, 441, 537, 655, 729

Structural Geology. By C. K. Leith. Review by R. T. C. . . . 91

Structure and Origin of the Magnetite Deposits near Dillsburg, York County, Pennsylvania. By E. C. Harder. Review by A. J. . 278

PAGE

Studies for Students: A Classification of Common Sediments and Some Criteria for Identification of the Various Classes. By Arthur C. Trowbridge 420
Studies of Flint Clays and Their Associates. By Sydney Longman Galpin. Review by A. J. 277
Suess, Eduard. By William Herbert Hobbs 811
Sulphide Ores of Copper, The. Some Results of Microscopic Study. By L. C. Graton and Joseph Murdock. Review by A. J. . . . 278
Summers, H. S. and E. W. Skeats. The Geology and Petrology of the Macedon District. Review by A. J. 627
Sun River District, Montana, Notes on the Geology of the. By Sidney Powers and Hervey W. Shimer 556
Supposed Origin of the Moldavites and Like Sporadic Glasses from Various Sources, On the. By George P. Merrill. Review by A. J. 530
Sur la présence au Gabon de roches appartenantes à la série de la charnockite. By H. Arsandaux. Review by F. C. Calkins . . 189
Süssmilch, C. A., H. Stanley Jevons, and H. I. Jensen. The Differentiation Phenomena of the Prospect Intrusion. Review by A. J. . 281
Süssmilch, C. A., H. Stanley Jevons, H. I. Jensen, and T. G. Taylor. The Geology and Petrography of the Prospect Intrusion. Review by Albert Johannsen 280
System SiO_2, Ueber das. By K. Endell and A. Smits. Review by A. J. 276
Systematik der Eruptivgesteine, Die. Erster Teil. By L. Milch. Review by A. J. 533

Taylor, T. G., H. Stanley Jevons, H. I. Jenson, and C. A. Süssmilch. The Geology and Petrography of the Prospect Intrusion. Review by Albert Johannsen 280
Textbook of Paleontology. Edited by Charles R. Eastman. Adapted from the German of Karl A. von Zittel. Review by S. W. . . 287
Thermal Microscope for the Measurement of the Optical Constants of Minerals at High Temperatures, A New. By Fred. Eugene Wright. Review by A. J. 726
Tourmaline Copper Veins, The, in the Yakuoji Mine, Nagato Province, Japan. By Takeo Kato. Review by A. J. 284
Traité de technique minéralogique et pétrographique. Vol. II-1. Les méthodes chimiques qualitatives. By Louis Duparc and Alfred Monnier. Review by Albert Johannsen 275
Trowbridge, Arthur C. Studies for Students: A Classification of Common Sediments and Some Criteria for Identification of the Various Classes 420
Turquoise, The Origin of, in the Burro Mountains, New Mexico. By Sidney Paige. Review by A. J. 533

PAGE

Tyrrell, G. W. The Late Paleozoic Alkaline Igneous Rocks of the West of Scotland. Review by Albert Johannsen 627

Umwandlungen der Kieselsäure bei höheren Temperaturen, Ueber die. By K. Endell. Review by A. J. 276
Umwandlungen des Kieselsäureanhydrids bei höheren Temperaturen, Ueber die. By K. Endell and R. Rieke. Review by A. J. . . . 276
Underground Water Resources of Iowa. By W. H. Norton and Others. Review by M. M. Leighton 630
Utsires fjeldbygning og bergarter. By Carl Fred. Kolderup and P. O. Ottesen. Review by A. J. 285

Verbreitung von Nephelinsyenitgeschieben und die Ausbreitung des nordeuropäischen Inlandseises in nördlichen Russland, Ueber die. By Wilhelm Ramsay. Review by A. J. 625
Volcanoes and Rocks of Pantelleria, The. III. By Henry S. Washington 16

Wallace, R. C. Review of Geologische Diffusionen, by Raphael Liesegang 94
Waring, Clarence A. Eocene Horizons of California 782
Washington, H. S. The Analcite Basalts of Sardinia 742
———. The Volcanoes and Rocks of Pantelleria. III 16
Watson, Thomas L. Kragerite, a Rutile-bearing Rock from Krageroe, Norway. Review by E. R. Lloyd 628
Weinschenk-Clark. Petrographic Methods. Review by Albert Johannsen 629
Williston, S. W. Broiliellus, a New Genus of Amphibians from the Permian of Texas 49
———. The Osteology of Some American Permian Vertebrates . 364
———. Restorations of Some American Permocarboniferous Amphibians and Reptiles 57
Winchell, Alexander N. Directions for Laboratory Work in Optical Mineralogy. Review by A. J. 725
———. Geology of the National Mining District, Nevada. Review by A. J. 725
Wisconsin Drift Plain, The, in the Region about Sioux Falls, South Dakota. By J. Ernest Carman. Review by C. 286
Woyno, Tadeusz Jerzy. Petrographische Untersuchung der Casannaschieter des mittleren Bagnetales (Wallis). Review by A. J. . 725
Wright, Fred. Eugene. A New Thermal Microscope for the Measurement of the Optical Constants of Minerals at High Temperatures. Review by A. J. 726

PAGE

Wright, Fred. Eugene. Oblique Illumination in Petrographic Microscope Work. Review by A. J. 727
———. The Index Ellipsoid (Optical Indicatrix) in Petrographic Microscopic Work. Review by A. J. 727
———. The Methods of Petrographic-microscopic Research. Review by A. J. 726
Wülfing, E. A. Fortschritte auf dem Gebiete der Instrumentenkunde. Review by A. J. 728
———. Ueber kristallographische Kaleidoskope. Review by A. J. 728
———. Ueber Projektion mikroskopischer Objekte ins besondere im polarisierten Licht. Review by A. J. 728

Zittel, von, Karl A. Textbook of Paleontology. Edited by Charles R. Eastman. Review by S. W. 287
Zwei Feldspäthe aus dem Ural, Ueber. By W. W. Arschinow. Review by A. J. 189

a 29 B

1 P'15